

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number: 09/756,070
 Filing Date: 01/06/2001
 First Named Inventor: Paul D. Taylor
 Art Unit: 1634
 Examiner Name: GUNTER, David R.
 Attorney Docket Number: P-S143
 Confirmation No: 6470

RECEIVED
TECH CENTER 1600/2900
DEC 19 2002

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	CITE NO.	DOCUMENT NUMBER - KIND CODE (IF KNOWN)	PUBLICATION DATE MM/DD/YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	CLASS	SUB
AC		4,936,974	06/26/1990	Rose, et al.			
		4,959,176	09/25/1990	Slocum, et al.			
		5,585,236	12/17/1996	Bonn, et al.			
		5,624,798	04/29/1997	Yamamoto, et al.			
		5,633,129	05/27/1997	Karger, et al.			
		5,795,976	08/18/1998	Oefner, et al.			
		5,801,237	09/01/1998	Johansson			
		5,856,192	01/05/1999	Bloch			
		5,866,429	02/02/1999	Bloch			
		6,265,168	07/24/2001	Gjerde, et al.			
		6,287,822	09/11/2001	Gjerde, et al.			

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	CITE NO.	DOCUMENT NUMBER - KIND CODE (IF KNOWN)	PUBLICATION DATE MM/DD/YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	CLASS	SUB	T
		0 270 017 A2	06/08/1998	EPC				
		0 507 591 A2	10/07/1992	EPC				
		WO 91/00145	01/10/1991	PCT				
AC		WO 97/19347	05/29/1997	PCT				

EXAMINER SIGNATURE

Arun K. Chakrabarti

DATE CONSIDERED

5/14/03

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 2 of 4

Application Number:	09/756,070
Filing Date:	01/06/2001
First Named Inventor:	Paul D. Taylor
Art Unit:	1634
Examiner Name	GUNTER, David R.
Attorney Docket Number:	P-514
Confirmation No:	6470

[illegible]

*EXAMINER INITIAL	CITE NO.	DOCUMENT NUMBER - KIND CODE (IF KNOWN)	PUBLICATION DATE MM/DD/YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES, WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR		T
					CLASS	SUB	
AC		WO 00/50759	08/31/2000	PCT	1	1	
AC		WO 01/27331	04/19/2001	PCT	1	1	

DATE CONSIDERED

Arjun Kr. Chakrabarti

5/14/03

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known

Application Number: 09/756,070
Filing Date: 01/06/2001
First Named Inventor: Paul D. Taylor
Art Unit: 1634
Examiner Name: GUNTER, David R.
Attorney Docket Number: P-514
Confirmation No: 6470

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

*EXAMINER INITIAL	CITE NO.	Include name of the author (in CAPITAL LETTERS), Title of the item, date, page(s), volume-issue numbers, publisher, city and/or country where published
Ac		Ausserer, W., et al., BioTechniques, 19:1 pp 136-139 (1995)
		Bio-Rad Chromatography: The History Behind UNO, pages 1 - 8 (downloaded 4/20/2000)
		Bio-Rad Chromatography - Biochromatography Columns, Nucleotide and Oligonucleotide Separations on an UNO Q1 Ion Exchange Column, 4 pages
		Brownlee, R.G., et al., Journal of Chromatography, 533:87-96 (1990)
		Colpan, M., et al., Journal of Chromatography, 296:339-353 (1984)
		Drager et al. HIGH-PERFORMANCE ANION-EXCHANGE CHROMATPGRAPHY OF OLIGONUCLEOTIDES, Analytical Biochemistry, 145:47-56 (1985)
		Ellegren, H., et al., Journal of Chromatography, 467:217-226 (1989)
		Eriksson et al. SEPARATION OF DNA RESTRICTION FRAGMENTS BY ION-PAIR CHROMATOGRAPHY, Journal of Chromatography, 359:265-274 (1986)
		Haupt, W., et al., COMPARISON OF SEVERAL HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY TECHNIQUES FOR THE SEPARATION OF OLIGODEOXYNUCLEOTIDES ACCORDING TO THEIR CHAIN LENGHTS, Journal of Chromatography, 260:419-427 (1983)
		Huber et al., A Comparison of Micropellicular Anion-Exchange and Reversed-Phase Stationary Phases for HPLC Analysis of Oligonucleotides, LC-GC 14:114-127 (1996)
		Kato et al. SEPARATION OF DNA RESTRICTION FRAGMENTS BY HIGH-PREFORMANCE ION-EXCHANGE CHROMATOGRAPHY ON A NON-POROUS ION EXCHANGER, Journal of Chromatography, 478: 264-268 (1989)
		Kleymenova, E., et al., APPLICATION OF HIGH PREFORMANCE LIQUID CHROMATOGRAPHY-BASED ANALYSIS OF DNA FRAGMENTS TO MOLECULAR CARCINOGENESIS, Molecular Carcinogenesis, 29:51-58 (2000)
		Li, J., et al., NOVEL POLYMERIC RESINS FOR ANION-EXCHANGE CHROMATOGRAPHY, Journal of Chromatography A, 793:231-238 (1998)
		Lloyd et al., ANALYSIS OF DNA AND DEGRADATION PRODUCTS USING A POLYMERIC STRONG ANION EXCHANGER, 8th International Symposium of HPLC of Proteins, Peptides and Polynucleotides Copenhagen, Denmark, 10/31-11/2 (1988)
		Lloyd, L., et al., OLIGONUCLEOTIDE ANALYSIS BY ANION EXCHANGE HPLC, Bioseparation, 2:207-215 (1991)
Ac		Maa et al, RAPID HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY OF NCLEIC ACIDS WITH POLYSTYRENE-BASED MICROPELlicULAR ANION EXCHANGERS, Journal of Chromatography, 508:61-73 (1990)

Examiner

Arjun K. Chakraborti

DATE CONSIDERED

5/14/03

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 4 of 4

Application Number:	09/756,070
Filing Date:	01/06/2001
First Named Inventor:	Paul D. Taylor
Art Unit:	1634
Examiner Name	GUNTER, David R.
Attorney Docket Number:	P-514
Confirmation No:	6470

*EXAMINER INITIAL	CITE NO.	Include name of the author (in CAPITAL LETTERS), Title of the item, date, page(s), volume-Issue numbers, publisher, city and/or country where published
----------------------	-------------	---

*EXAMINER INITIAL	CITE NO.	Include name of the author (in CAPITAL LETTERS), Title of the item, date, page(s), volume-Issue numbers, publisher, city and/or country where published
----------------------	-------------	---

McLaughlin, L.W., et al., MIXED-MODE CHROMATOGRAPHY OF NUCLEIC ACIDS, Chem. Rev. 89:309-319 (1989)

Mhatre et al., INTERFACING GRADIENT ELUTION ION-EXCHANGE CHROMATOGRAPHY (IEC) AND LOW ANGLE LASER LIGHT SCATTERING PHOTOMETRY (LALLS) FOR ANALYSIS OF PROTEINS, J. Chromatography, Submitted for Publication July, 1991

Ohmiya, Y., et al., SEPARATION OF DNA FRAGMENTS BY HIGH-RESOLUTION ION-EXCHANGE CHROMATOGRAPHY ON A NONPOROUS QA COLUMN, *Analytical Biochemistry*, 189:126-130 (1990)

Scholten, A., et al., *Journal of Chromatography*, 218:3-13 (1981)

Van Vliet, H.P., et al., *Journal of Chromatography*, 363:187-198 (1986)

Weber, A.J., et al., *Anal. Chem.*, 59:1452-1457 (1987)

~~RECEIVED~~

DEC 19 2002

~~TECH CENTER 1600/2900~~

EXAMINER

DATE CONSIDERED

Arun K. Chakrabarti

5/14/03